

A P P E N D I X

A

HTML Reference

This appendix includes element descriptions, sorted both alphabetically and by category. The elements listed in this appendix are the ones you will use most often. Included is a list of the Core attributes that are allowed with the majority of HTML elements, and a complete list of character entities. For more detailed information, visit the World Wide Web Consortium Web site at www.w3.org.

CORE ATTRIBUTES

The Core attributes are allowed within all of the elements listed in the element tables.

TABLE A-1

HTML core attributes

Attribute	Definition
ID	Specifies a document-wide unique id for an element
CLASS	Specifies a class name for an element; the class name can be used to specify style sheet rules
STYLE	Specifies a style sheet rule for the element
TITLE	Specifies a title for the element; contents of the title is displayed in Internet Explorer 5.0 as a pop up; Netscape Navigator 4.x does not support this attribute

ALPHABETICAL HTML REFERENCE

TABLE A-2

Common HTML elements

Element	Description	Attributes
<!--comment text-->	Allows you to insert a comment to your code. Browsers do not display comments in the Web page. Place the comment within the tag, for example: <!-- This is a comment -->	None
<A>	Allows you to create a clickable hypertext anchor in a document. The hypertext anchor can be text or an image.	Core attributes plus: HREF — the target destination of the hypertext link NAME — the name of a fragment of the document TARGET — the window or frame in which the linked document displays
	Allows you to boldface text	Core attributes

TABLE A-2
Common HTML
elements
(continued)

Element	Description	Attributes
<BASE>	Sets the base URL or target for a page; this is an empty element	Core attributes plus: HREF — the absolute or relative original URL for the current document TARGET — the default window or frame in which links contained in the document display
<BASEFONT> Deprecated	Allows you to set a default size for the body text in the document	COLOR — the default text color FACE — the default text face SIZE — the default text size for the document from 1 – 7; normal browser default is size 3
<BLOCKQUOTE>	Indents text on both the left and right margins	Core attributes
<BODY>	Identifies the body section of the Web page	Core attributes plus: ALINK — the color for the currently selected link; deprecated in HTML 4.0 BACKGROUND — points to the image file that is tiled across the background of the page; deprecated in HTML 4.0 BGCOLOR — the page background color; deprecated in HTML 4.0 LINK — the color for unvisited links; deprecated in HTML 4.0 TEXT — the default text color; deprecated in HTML 4.0 VLINK — the color for visited links; deprecated in HTML 4.0
 	Inserts a line break, forcing text to the next line; this is an empty element	Core attributes plus: CLEAR — when used with a floating image, forces text to appear at the bottom of the image
<CAPTION>	Indicates that the text appears as the caption of a table	Core attributes plus: ALIGN — the alignment of the caption, either top or bottom; top is the default
<CENTER> Deprecated	Centers text or images horizontally on the page	None

TABLE A-2
Common HTML
elements
(continued)

Element	Description	Attributes
<DIV>	Indicates a division within the document	Core attributes plus: ALIGN — the horizontal alignment of the contents of the division
	Emphasizes text, usually as italic; browser determines the text style	Core attributes
 Deprecated	Allows you to specify the font size for any string of text; range of sizes is 1 to 7, with 3 being the default	SIZE — sets the font size COLOR — sets the text color FACE — sets the font typeface
<FRAME>	Defines specific information for each frame in the frameset	Core attributes plus: FRAMEBORDER — the width of the frame's border MARGINHEIGHT — the margin height in pixels MARGINWIDTH — the margin width in pixels NORESIZE — prevents the user from resizing the frame by dragging the frame border NAME — sets a targeting name for the frame SCROLLING — determines whether scroll bars appear SRC — specifies the sources HTML file for the frame's content
<FRAMESET>	Defines the column and row characteristics of the frames in the frameset	Core attributes plus: COLS — separates the frameset into columns ROWS — separates the frameset into rows Both of these attributes need percentage or pixel values to specify the frame width or height
<H1> - <H6>	Defines text as a heading level; <H1> is the top level heading, and the largest text	Core attributes plus: ALIGN — the alignment of the heading text

TABLE A-2
Common HTML
elements
(continued)

Element	Description	Attributes
<HEAD>	Identifies the Head section of the Web page, which is reserved for information about the document, not document content	Three attributes that are not commonly used: PROFILE — specifies the location of one or more meta data profiles about the document LANG — specifies the base language for the document DIR — specifies the default text direction
<HR>	Inserts a horizontal rule on the page; this is an empty element	Core attributes plus: WIDTH — the length of the rule in pixels SIZE — the height of the rule in pixels ALIGN — horizontal rule alignment; default is center NOSHADOW — turns off the default 3-D shading of the rule
<HTML>	Identifies the file as an HTML file	None
<I>	Italicizes text	Core attributes
	Inserts an image into a Web page	Core attributes plus: WIDTH — specifies the width of the image in pixels HEIGHT — specifies the height of the image in pixels SRC — the URL that points to the image file; this attribute is required ALIGN — allows you to wrap text around the image; valid values are left, middle, and right ALT — allows you to specify an alternate string of text if the image cannot be displayed by the browser BORDER — the border for the image; set this attribute to zero (0) to remove a hypertext border on an anchor image HSPACE — the horizontal white space in pixels on the left and right sides of an image VSPACE — the vertical white space in pixels on the top and bottom of an image

TABLE A-2
Common HTML
elements
(continued)

Element	Description	Attributes
	Marks an individual list item; this is an empty tag	Core attributes
<LINK>	Defines a relationship between the document and external resources, such as a style sheet	Core attributes plus: TYPE — the type of external resource HREF — the URL of the external resource
<META>	Used within the document HEAD to provide information	NAME — the meta information name, such as keyword or description CONTENT — the content of the named information type
<NOFRAME>	Contains content that is viewable by browsers that do not support frames	Core attributes
	Creates a numbered indented list	Core attributes
<P>	Marks the beginning of a new block of text	Core attributes plus: ALIGN — the horizontal alignment of the paragraph content
<PRE>	Preserves the formatting and spacing of text as typed in the source code. Displays the text in a monospace font, different from the standard browser text	Core attributes
	Serves as an inline division, used to apply a style class or rule to text	Core attributes
	Emphasizes text, usually as bold; browser determines the text style	Core attributes
<STYLE>	Used within the HEAD section to contain CSS style rules	TYPE — specify the type of style language; for CSS, use text/CSS as the value
<SUB>	Subscripts text	Core attributes
<SUP>	Superscripts text	Core attributes

TABLE A-2
Common HTML
elements
(continued)

Element	Description	Attributes
<TABLE>	Marks the beginning and end of a table	Core attributes plus: ALIGN — floats the table to the left or right of text; deprecated in HTML 4.0 BORDER — specifies whether a border is displayed for a table BGCOLOR — the background color of the table; deprecated in HTML 4.0 CELLPADDING — the amount of space in pixels between the border of the cell and the cell content on all four sides CELLSPACING — the amount of space in pixels between the table cells on all four sides HEIGHT — the height of the table; deprecated in HTML 4.0 WIDTH — the width of the table, either to a fixed pixel width, or percentage relative width
<TD>	Marks an individual table cell	Core attributes plus: ALIGN — the horizontal alignment for table cells within the table row VALIGN — the vertical alignment for table cells within the row BGCOLOR — the background color of the table row; deprecated in HTML 4.0 ROWSPAN — the number of rows spanned by a cell COLSPAN — the number of columns spanned by a cell
<TH>	Forces the contents of a cell to display as bold and centered	Core attributes plus: ALIGN — the horizontal alignment for table cells within the table row VALIGN — the vertical alignment for table cells within the row BGCOLOR — the background color of the table row; deprecated in HTML 4.0 ROWSPAN — the number of rows spanned by a cell COLSPAN — the number of columns spanned by a cell

TABLE A-2
Common HTML
elements
(continued)

Element	Description	Attributes
<TITLE>	Specifies the title of the Web page; title text appears in the browser title bar and as the bookmark or favorites text	Two attributes that are not commonly used: LANG — specifies the base language for the document DIR — specifies the default text direction
<TR>	Marks a row of cells in a table	Core attributes plus: ALIGN - the horizontal alignment for table cells within the table row VALIGN - the vertical alignment for table cells within the row BGCOLOR — the background color of the table row; deprecated in HTML 4.0
<TT>	Specifies monospace text, usually Courier	Core attributes
<U> Deprecated	Underlines text	Core attributes
	Creates a bulleted indented list	Core attributes

CATEGORICAL HTML REFERENCE

The following is a quick reference for the HTML elements and attributes used in this book, listed by category.

GLOBAL STRUCTURE ELEMENTS

TABLE A-3
HTML structure
elements

Element	Description	Attributes
<HTML>	Identifies the file as an HTML file	None
<HEAD>	Identifies the Head section of the Web page; which is reserved for information about the document, not document content	Three attributes that are not commonly used: PROFILE — specifies the location of one or more meta data profiles about the document LANG — specifies the base language for the document DIR — specifies the default text direction

TABLE A-3
*HTML structure
 elements
 (continued)*

Element	Description	Attributes
<TITLE>	Specifies the title of the Web page; title text appears in the browser title bar and as the bookmark or favorites text	Two attributes that are not commonly used: LANG — specifies the base language for the document DIR — specifies the default text direction
<META>	Used within the document Head to provide information	NAME — the meta information name, such as keywords or description CONTENT — the content of the named information type
<BODY>	Identifies the Body section of the Web page	Core attributes plus: ALINK — the color for the currently selected link; deprecated in HTML 4.0 BACKGROUND — points to the image file that is tiled across the background of the page; deprecated in HTML 4.0 BGCOLOR — the page background color; deprecated in HTML 4.0 LINK — the color for unvisited links; deprecated in HTML 4.0 TEXT — the default text color; deprecated in HTML 4.0 VLINK — the color for visited links; deprecated in HTML 4.0
<DIV>	Indicates a division within the document	Core attributes plus: ALIGN — the horizontal alignment of the contents of the division
	Serves as an inline division, used to apply a style class or rule to text	Core attributes
<H1> - <H6>	Defines text as a heading level; <H1> is the top level heading and the largest text	Core attributes plus: ALIGN — the alignment of the heading text

TEXT ELEMENTS

TABLE A-4
HTML text
elements

Element	Description	Attributes
<BLOCKQUOTE>	Indents text on both the left and right margins	Core attributes
 	Inserts a line break, forcing text to the next line; this is an empty element	Core attributes plus: CLEAR — when used with a floating image, forces text to appear at the bottom of the image
	Emphasizes text, usually as italic; browser determines the text style	Core attributes
<P>	Marks the beginning of a new block of text	Core attributes plus: ALIGN — the horizontal alignment of the paragraph content
<PRE>	Preserves the formatting and spacing of text as typed in the source code; displays the text in a mono-space font, different from the standard browser text	Core attributes
	Emphasizes text, usually as bold; browser determines the text style	Core attributes
<SUB>	Subscripts text	Core attributes
<SUP>	Superscripts text	Core attributes

LIST ELEMENTS

TABLE A-5
HTML list
elements

Element	Description	Attributes
	Marks an individual list item; this is an empty tag	Core attributes
	Creates a numbered indented list	Core attributes
	Creates a bulleted indented list	Core attributes

TABLE ELEMENTS

TABLE A-6
HTML table
elements

Element	Description	Attributes
<CAPTION>	Indicates that the text appears as the caption of a table	Core attributes plus: ALIGN — the alignment of the caption, either top or bottom; top is the default
<TABLE>	Marks the beginning and end of a table	Core attributes plus: ALIGN — floats the table to the left or right of text; deprecated in HTML 4.0 BORDER — specifies whether a border is displayed for a table BGCOLOR — the background color of the table; deprecated in HTML 4.0 CELLPADDING — the amount of space in pixels between the border of the cell and the cell content on all four sides CELLSPACING — the amount of space in pixels between the table cells on all four sides HEIGHT — the height of the table; deprecated in HTML 4.0 WIDTH — the width of the table, either to a fixed pixel width or percentage relative width
<TD>	Marks an individual table cell	Core attributes plus: ALIGN — the horizontal alignment for table cells within the table row VALIGN — the vertical alignment for table cells within the row BGCOLOR — the background color of the table row; deprecated in HTML 4.0 ROWSPAN — the number of rows spanned by a cell COLSPAN — the number of columns spanned by a cell

TABLE A-6

HTML table
elements
(continued)

Element	Description	Attributes
<TH>	Forces the contents of a cell to display as bold and centered	Core attributes plus: ALIGN — the horizontal alignment for table cells within the table row VALIGN — the vertical alignment for table cells within the row BGCOLOR — the background color of the table row; deprecated in HTML 4.0 ROWSPAN — the number of rows spanned by a cell COLSPAN — the number of columns spanned by a cell
<TR>	Marks a row of cells in a table	Core attributes plus: ALIGN — the horizontal alignment for table cells within the table row VALIGN — the vertical alignment for table cells within the row BGCOLOR — the background color of the table row; deprecated in HTML 4.0

LINK ELEMENTS

TABLE A-7

HTML link
elements

Element	Description	Attributes
<A>	Allows you to create a clickable hypertext anchor in a document; hypertext anchor can be text or an image	Core attributes plus: HREF — the target destination of the hypertext link NAME — names a fragment of the document TARGET — the window or frame in which the linked document displays
<BASE>	Sets the base URL or target for a page; this is an empty element	Core attributes plus: HREF — the absolute or relative original URL for the current document TARGET — the default window or frame in which links contained in the document display

TABLE A-7

HTML link
elements
(continued)

Element	Description	Attributes
<LINK>	Defines a relationship between the document and external resources, such as a style sheet	Core attributes plus: TYPE — the type of external resource HREF — the URL of the external resource

INCLUSION ELEMENTS

TABLE A-8

HTML inclusion
elements

Element	Description	Attributes
	Inserts an image into a Web page	Core attributes plus: WIDTH — specifies the width of the image in pixels HEIGHT— specifies the height of the image in pixels SRC — the URL that points to the image file; attribute is required ALIGN — allows you to wrap text around the image; valid values are left, middle, and right ALT — allows you to specify an alternate string of text if the image cannot be displayed by the browser BORDER — the border for the image; set this attribute to zero (0) to remove a hypertext border on an anchor image HSPACE — the horizontal white space in pixels on the left and right sides of an image VSPACE — the vertical white space in pixels on the top and bottom of an image

STYLE SHEET ELEMENTS

TABLE A-9
Style sheet
elements

Element	Description	Attributes
<STYLE>	Used within the Head section to contain CSS style rules	TYPE — specifies the type of style language; for CSS, use text/CSS as the value

FORMATTING ELEMENTS

TABLE A-10
HTML formatting
elements

Element	Description	Attributes
	Boldfaced text	Core attributes
<BASEFONT> Deprecated	Allows you to set a default size for the body text in the document	COLOR — the default text color FACE — the default text face SIZE — the default text size for the document from 1 – 7; the normal browser default is size 3
<CENTER> Deprecated	Centers text or images horizontally on the page	None
 Deprecated	Allows you to specify the font size for any string of text; range of sizes is 1 to 7, with 3 being the default	SIZE — sets the font size COLOR — sets the text color FACE — sets the font typeface
<HR>	Inserts a horizontal rule on the page; this is an empty element	Core attributes plus: WIDTH — the length of the rule in pixels SIZE — the height of the rule in pixels ALIGN — horizontal rule alignment; default is center NOSHADA — turns off the default 3-D shading of the rule
<I>	Italicizes text	Core attributes
<TT>	Specifies monospace text, usually in Courier	Core attributes
<U> Deprecated	Underlines text	Core attributes

FRAMES ELEMENTS

TABLE A-11

HTML frame elements

Element	Description	Attributes
<FRAME>	Defines specific information for each frame in the frameset	Core attributes plus: FRAMEBORDER — the width of the frame's border MARGINHEIGHT — the margin height in pixels MARGINWIDTH — the margin width in pixels NORESIZE — prevents the user from resizing the frame by dragging the frame border NAME — sets a targeting name for the frame SCROLLING — determines whether scroll bars appear SRC — specifies the sources HTML file for the frame's content
<FRAMESET>	Defines the column and row characteristics of the frames in the frameset.	COLS — separates the frameset into columns ROWS — separates the frameset into rows. Both of these attributes need percentage or pixel values to specify the frame width or height
<NOFRAME>	Contains content that is viewable by browsers that do not support frames	Core attributes

NUMERIC AND CHARACTER ENTITIES

TABLE A-12

Numeric and character entities

Character	Character Entity	Numeric Entity	Description
"	"	"	Quotation mark
#	#		Number sign
\$	$		Dollar sign
%	%		Percent sign
&	&	&	Ampersand
'	'		Apostrophe
((Left parenthesis

TABLE A-12
*Numeric and
character entities
(continued)*

Character	Character Entity	Numeric Entity	Description
))		Right parenthesis
*	*		Asterisk
+	+		Plus sign
,	,		Comma
-	-		Hyphen
.	.		Period (fullstop)
/	/		Solidus (slash)
0	0		Digit 0
1	1		Digit 1
2	2		Digit 2
3	3		Digit 3
4	4		Digit 4
5	5		Digit 5
6	6		Digit 6
7	7		Digit 7
8	8		Digit 8
9	9		Digit 9
:	:		Colon
;	;		Semicolon
<	<	<	Less than
=	=		Equals sign
>	>	>	Greater than
?	?		Question mark
@	@		Commercial at
A - Z	A - Z		Uppercase letters A-Z
[[Left square bracket
\	\		Reverse solidus (backslash)
]]		Right square bracket
^	^		Caret
_	_		Horizontal bar (underscore)
`	`		Acute accent

TABLE A-12
*Numeric and
character entities
(continued)*

Character	Character Entity	Numeric Entity	Description
a-z	a - z		Lowercase letters A-Z
{	{		Left curly brace
	|		Vertical bar
}	}		Right curly brace
~	~		Tilde
	 	 	Non-breaking space
¡	¡	¡	Inverted exclamation mark
¢	¢	¢	Cent sign
£	£	£	British Pound sign
¤	¤	¤	Currency sign
¥	¥	¥	Yen sign
¦	¦	¦	Broken vertical bar
§	§	§	Section sign
¨	¨	¨	Spacing diaeresis
©	©	©	Copyright sign
ª	ª	ª	Feminine ordinal indicator
«	«	«	Left-pointing double angle quotation mark
¬	¬	¬	Not sign
—	­	­	Soft hyphen
®	®	®	Registered trademark sign
ˆ	¯	¯	Macron overline
°	°	°	Degree sign
±	±	±	Plus-or-minus sign
²	²	²	Superscript digit 2
³	³	³	Superscript digit 3
´	´	´	Acute accent
µ	µ	µ	Micro sign
¶	¶	¶	Paragraph sign
·	·	·	Middle dot
¸	¸	¸	Cedilla

TABLE A-12
*Numeric and
character entities
(continued)*

Character	Character Entity	Numeric Entity	Description
1	¹	¹	Superscript digit 1
º	º	º	Masculine ordinal indicator
»	»	»	Right-pointing double angle quotation mark
¼	¼	¼	Fraction one-quarter
½	½	½	Fraction one-half
¾	¾	¾	Fraction three-quarters
¿	¿	¿	Inverted question mark
À	À	À	Capital letter A with grave
Á	Á	Á	Capital letter A with acute
Â	Â	Â	Capital letter A with circumflex
Ã	Ã	Ã	Capital letter A with tilde
Ä	Ä	Ä	Capital letter A with diaeresis
Å	Å	Å	Capital letter A with ring above
Æ	&Aelig;	Æ	Capital letter AE
Ç	Ç	Ç	Capital letter C with cedilla
È	È	È	Capital letter E with grave
É	É	É	Capital letter E with acute
Ê	Ê	Ê	Capital letter E with circumflex
Ë	Ë	Ë	Capital letter E with diaeresis
Ì	Ì	Ì	Capital letter I with grave
Í	Í	Í	Capital letter I with acute
Î	Î	Î	Capital letter I with circumflex
Ï	Ï	Ï	Capital letter I with diaeresis
Ð	Ð	Ð	Capital letter ETH
Ñ	Ñ	Ñ	Capital letter N with tilde
Ò	Ò	Ò	Capital letter O with grave

TABLE A-12
*Numeric and
character entities
(continued)*

Character	Character Entity	Numeric Entity	Description
Ó	Ó	Ó	Capital letter O with acute
Ô	Ô	Ô	Capital letter O with circumflex
Õ	Õ	Õ	Capital letter O with tilde
Ö	Ö	Ö	Capital letter O with diaeresis
×	×	×	Multiplication sign
Ø	Ø	Ø	Capital letter O with stroke
Ù	Ù	Ù	Capital letter U with grave
Ú	Ú	Ú	Capital letter U with acute
Û	Û	Û	Capital letter U with circumflex
Ü	Ü	Ü	Capital letter U with diaeresis
Ý	Ý	Ý	Capital letter Y with acute
Þ	Þ	Þ	Capital letter THORN
ß	ß	ß	Sz ligature
À	à	à	Small letter a with grave
Á	á	á	Small letter a with acute
Â	â	â	Small letter a with circumflex
Ã	ã	ã	Small letter a with tilde
Ä	ä	ä	Small letter a with diaeresis
Å	å	å	Small letter a with ring above
Æ	æ	æ	Small letter ae
Ç	ç	ç	Small letter c with cedilla
È	è	è	Small letter e with grave
É	é	é	Small letter e with acute
Ê	ê	ê	Small letter e with circumflex
Ë	ë	ë	Small letter e with diaeresis

TABLE A-12
*Numeric and
 character entities
 (continued)*

Character	Character Entity	Numeric Entity	Description
ì	ì	ì	Small letter i with grave
í	í	í	Small letter i with acute
î	î	î	Small letter i with circumflex
ï	ï	ï	Small letter i with diaeresis
ð	ð	ð	Small letter eth
ñ	ñ	ñ	Small letter n with tilde
ò	ò	ò	Small letter o with grave
ó	ó	ó	Small letter o with acute
ô	ô	ô	Small letter o with circumflex
õ	õ	õ	Small letter o with tilde
ö	ö	ö	Small letter o with diaeresis
÷	÷	÷	Division sign
ø	ø	ø	Small letter o with stroke
ù	ù	ù	Small letter u with grave
ú	ú	ú	Small letter u with acute
û	û	û	Small letter u with circumflex
ü	ü	ü	Small letter u with diaeresis
ý	ý	ý	Small letter y with acute
þ	þ	þ	Small letter thorn
ÿ	ÿ	ÿ	Small letter y with diaeresis